

<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER <b>ABL-012.1P US</b> U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <b>10/27/03</b> not yet assigned
INTERNATIONAL APPLICATION NO. PCT/GB2004/002421	INTERNATIONAL FILING DATE June 7, 2004	PRIORITY DATE CLAIMED June 6, 2003
TITLE OF INVENTION <b>PEPTIDE LIGANDS</b>		
APPLICANT(S) FOR DO/EO/US <b>Stephen L. HART; Michele WRITER</b>		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))           <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ul> </p> <p>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).           <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ul> </p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))           <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ul> </p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p>		
<p><b>Items 11 to 20 below concern document(s) or information included:</b></p> <p>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A preliminary amendment.</p> <p>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input checked="" type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.</p> <p>18. <input checked="" type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p>		

101683677206 DEC 2005

PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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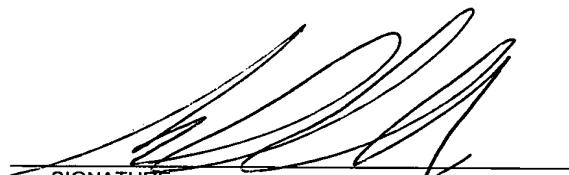
U.S. APPLICATION NO. (Unknown, see 37 CFR 1.5)	INTERNATIONAL APPLICATION NO.	ATTORNEY'S DOCKET NUMBER		
not yet assigned	PCT/GB2004/002421	ABL-012.1P US		
20. Other items or information: International Search Report				
The following fees have been submitted				
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))..... \$300			CALCULATIONS	PTO USE ONLY
22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c))			\$ 300	
If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 All other situations..... \$200			\$ 200	
23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB..... \$400 All other situations..... \$500			\$ 500	
<b>TOTAL OF 21, 22 and 23 =</b>			\$1000	
<input checked="" type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.				
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE	
127 - 100 =	27 /50 =	1	x \$250	\$ 250
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).			\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$
Total claims	31 - 20 =	11	x \$ 50	\$ 550
Independent claims	6 - 3 =	3	x \$200	\$ 600
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360	\$ 360
<b>TOTAL OF ABOVE CALCULATIONS =</b>			\$ 2760	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.				
			<b>SUBTOTAL =</b>	\$ 1380
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(l)).			+ \$ 0	
			<b>TOTAL NATIONAL FEE =</b>	\$ 1380
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property			+ \$ 0	
			<b>TOTAL FEES ENCLOSED =</b>	\$ 1380.00
			<b>Amount to be refunded:</b>	\$
			<b>Amount to be charged</b>	\$

- a.  A check in the amount of \$ 1380.00 to cover the above fees is enclosed. (check no. 6714)
- b.  Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c.  The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-0268. A duplicate copy of this sheet is enclosed.
- d.  Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.**

SEND ALL CORRESPONDENCE TO:

Leon R. Yankwich, Esq.  
YANKWICH & ASSOCIATES, P.C.  
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Cambridge, MA 02139

  
\_\_\_\_\_  
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\_\_\_\_\_  
David G. O'Brien  
NAME  
\_\_\_\_\_  
46,125  
REGISTRATION NUMBER

PATENT COOPERATION TREATY  
IN THE UNITED STATES DESIGNATED/ELECTED OFFICE

In re Application of:	Hart et al.	
Serial No.:	(not yet assigned)	Art Unit: not yet assigned
Filed:	(concurrently herewith)	Examiner: not yet assigned
Entitled:	PEPTIDE LIGANDS	

**U.S. National Stage of Int'l Appln. PCT/GB2004/002421 filed June 7, 2004, designating the U.S.**  
Attorney Docket No.: ABL-012.1P US

**Mail Stop PCT**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**NATIONAL STAGE APPLICATION TRANSMITTAL:**

1. Designated/Elected Office (DO/EO/US) Transmittal Form PTO-1390 (3 pages);
2. Duplicate copy of Transmittal Form PTO-1390 page 2 fee calculation/authorization;
3. Combined Declaration for a Patent Application and Power of Attorney – Unexecuted (3 pages);
4. Copy of International Application as published (151 pages);
5. International Search Report & Written Opinion of the International Searching Authority (20 pages);
6. Preliminary Amendment (9 pages);
7. Sequence Listing in computer-readable form on diskette and paper copy (21 pages);
8. Statement under 37 C.F.R. §1.821(f) (2 pages);
9. Check No. 6714 in the amount of \$1380 to cover the application filing fees; and
10. Return Receipt Postcard

Respectfully submitted,

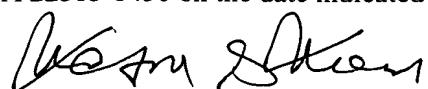
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**CERTIFICATE OF MAILING BY "EXPRESS MAIL"**

The undersigned hereby certifies that the correspondence listed above is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR §1.10, postage prepaid, Express Mailing Label No. EV 509622584 US, in an envelope addressed to **Mail Stop PCT**, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date indicated below.

December 6, 2005

date



Nasim G. Memon